

2. (cancel) The security system of claim 1, wherein said security context contains support for Java authentication and authorization service based pluggable authentication.
3. (cancel) The security system of claim 1, wherein said security context contains a subject instance.
4. (cancel) The security system of claim 1, wherein said security context contains principals and credentials of said subject.
5. (cancel) The security system of claim 4, further comprising a generic credential interface.
6. (cancel) The security system of claim 4, further comprising a security principal interface.

Please add the following new claims:

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AI 7. (new) A security system for a computer system having a server and a client, wherein said server utilizes a resource adapter to interface with an enterprise information system, wherein said security system includes a security context, said security context propagated from said server to said resource adapter.

8. (new) The security system of Claim 7, wherein said security context contains a subject instance.

9. (new) The security system of Claim 8, further including principals and credentials, said principals and credentials associated with said subject instance.

10. (new) The security system of Claim 9, further comprising a generic credential interface.

11. (new) The security system of Claim 9, further comprising a security principal interface.

12. (new) A data structure specifying a security contract for use in a computer system having a client, a server, and a resource adapter, the security contract specifying a relationship between software entities in said computer system, the security contract comprising:

- a subject class;
- a generic credential interface;
- a password credential interface; and
- a java security principal interface.

13. (new) A method of providing security in a computer system having a client, an application server, an application component, a resource adapter and a principal mapping module, and a subject instance having the method comprising the steps of:

the application component invokes a connection request method on the resource adapter without passing in any security arguments;

the resource adapter passes the connection request to the application server;

the application server is configured to use the principal mapping module;

the principal mapping module takes the subject instance with the caller principal and returns the subject instance with a valid resource principal and password credential instance to the application server; and

the application server establishes a managed connection between the application server and the enterprise information system using the valid resource principal and password credential instance.

14. (new) A computer system for connecting a client process with an enterprise information system, the computer system comprising:

an application server, said application server including a connection manager, a security manager, and a security configuration;

a resource adapter, said resource adapter having a connection factory and a managed connection factory;

an application component, said application component in communication with said connection factory to pass information to said connection manager;

a java authentication and authorization service module, said service module in communication with said security service manager, said service module containing a submodule;

an enterprise information system, said enterprise information system in communication with said managed connection factory and said service module.